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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/024,107	12/17/2001	Sami Haapoja	872.0105.U1(US)	872.0105.U1(US) 3127	
29683 7590 07/11/2007 HARRINGTON & SMITH, PC 4 RESEARCH DRIVE SHELTON, CT 06484-6212			EXAMINER		
			JAMAL, AL	JAMAL, ALEXANDER	
			ART UNIT	PAPER NUMBER	
			2614		
			MAIL DATE	DELIVERY MODE	
			07/11/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

200000000000000000000000000000000000000	Application No.	Applicant(s)				
Notice of Allowability	10/024,107	HAAPOJA ET AL.				
Notice of Allowability	Examiner	Art Unit				
	Alexander Jamal	2614				
The MAILING DATE of this communication appe All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this app or other appropriate communication GHTS. This application is subject to	plication. If not included will be mailed in due course. THIS				
1. This communication is responsive to <u>amendment filed 3-23-2007</u> .						
2. The allowed claim(s) is/are <u>1-20,24-26 and 28-34</u> .						
 3. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). 	been received. been received in Application No					
* Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements						
noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.	of this communication to file a reply ENT of this application.	complying with the requirements				
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.						
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.						
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached						
1) hereto or 2) to Paper No./Mail Date						
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date						
Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).						
6. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.						
Attachment(s) 1. □ Notice of References Cited (PTO-892)	5.	atent Application				
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. ☐ Interview Summary	• •				
3. Information Disclosure Statements (PTO/SB/08),	Paper No./Mail Date 7.					
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit	8. 🛛 Examiner's Stateme	ent of Reasons for Allowance				
of Biological Material	9.					
	M-	PRIMARY EXAMINER				

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DETAILED ACTION

Response to Applicant's Amendment

- 1. Examiner notes that the notice of allowance filed 6-14-2007 has been withdrawn and a new notice has been submitted to correct a claim numbering error on the previously filed PTO-37 form.
- 2. Based upon the submitted amendments received 3-23-2007, examiner notes that claim 27 has been cancelled, claims 1,24,28 have been amended and claim 34 has been added.
- 3. Examiner withdraws all rejections to all claims.

Allowable Subject Matter

- 4. Claims 1-20,24-26,28-34 are allowed over the prior art of record.
- 5. The following is an examiner's statement of reasons for allowance:

In the examiner's opinion, it would not have been obvious to a person of ordinary skill in the art to provide baseband compensation for nonlinear behavior of rf filters only for the transmit /receive channels that are at the beginning or end of the full transmit band and the full receive band in the systems disclosed by Abdelgany (6584090), Shalom (6166601), Abdelmonem (6622028). Examiner additionally notes the distinction applicant makes between compensating for filter non-linearities and compensating for amplifier non-linearities (Remarks filed 3-23-2007, page 13). Examiner reads the 'compensation' of applicant's independent claims as only being applied to the non-linear operation of a filter (attenuation of frequencies outside the desired passband), not applied to any non-linearities caused by any 'amplification' of the selected channels.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alexander Jamal whose telephone number is 571-272-7498. The examiner can normally be reached on M-F 9AM-6PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Curtis A Kuntz can be reached on 571-272-7499. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and 571-273-8300 for After Final communications.

Examiner Alexander Jamal July 9, 2007

MÉLUR RAMAKRISHNAIAH PRIMARY EXAMINER